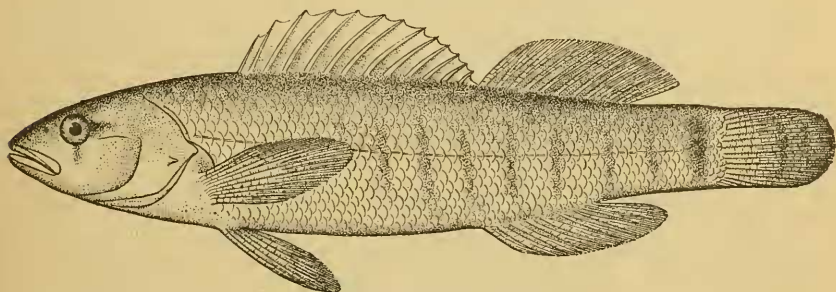


DESCRIPTION OF A NEW SPECIES OF FISH FROM TIPPECANOE  
RIVER, INDIANA.

BY  
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*Etheostoma tippecanoe* sp. nov.

Type, U. S. National Museum, No. 40080. Allied to *E. jessie* and to *E. cæruleum*. Head,  $4\frac{1}{4}$  in length; depth,  $4\frac{3}{4}$ ; D. XII-12, A. II, 7. Scales, 5-50-8, with pores on about 23. Length,  $1\frac{1}{2}$  inches.



*Etheostoma tippecanoe* sp. nov.

Body rather robust, compressed, with deep caudal peduncle; head moderate, with pointed snout; eye small, as long as snout,  $4\frac{1}{2}$  in head; mouth large, oblique, the lower jaw somewhat included; maxillary reaching nearly to middle of eye; opercle very short, little longer than snout, its spine strong; cheeks naked, or with one or two scales above; opercles well scaled; breast naked; top of head naked; nape with fine scales; upper jaw not protractile; gill membranes nearly separate; lateral line straight, ceasing under front of second dorsal. Dorsals moderate, slightly connected; anal spines subequal; pectorals shortish, about as long as head; caudal short, subtruncate. Color dark, the scales covered with fine punctulations; body with twelve dark (blue in life?) cross bands, nearly vertical and narrower than the interspaces; the next the last one brightest and broadest; between this and the last two bright spots (red in life?) with a dark one between them, at base of caudal; a black humeral scale; first dorsal dark; second dorsal,

anal, caudal, and pectorals barred; ventrals speckled; three dark streaks diverging from eye. The interspaces on sides were probably more or less red in life.

Four specimens of this interesting little fish were collected by Mr. B. W. Evermann in the Tippecanoe River, at Marshland, Ind. The species is allied to *E. jessie*, differing chiefly in the more pointed head, nearly naked cheeks, and smaller opercle.